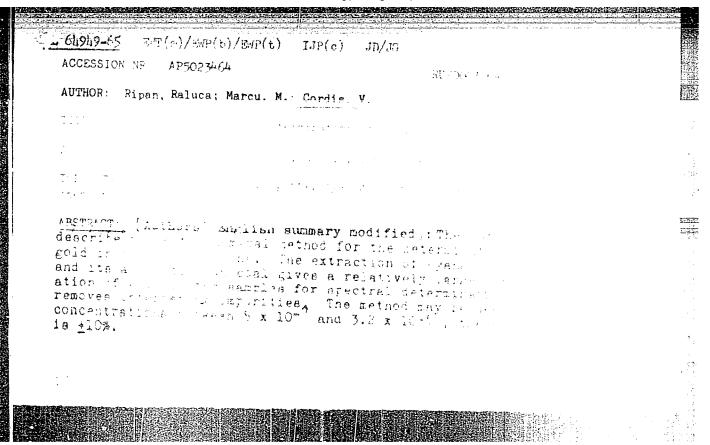
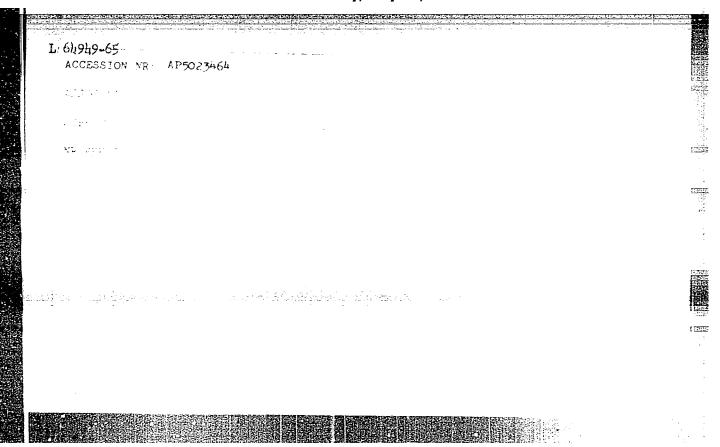
CORDIS, V.

Spectral determination of impurities in electrolytic and converter copper. Rev chimie Nin petr 15 no. 1: 35-36
Ja '64.

1. Institutul de chimie al Academiei R. P. R., Filiala Cluj.



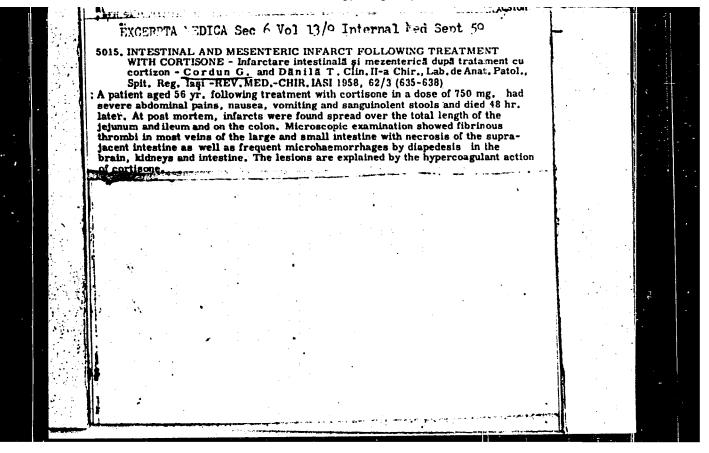


LITEANU, Candin; CORDOS, Emil

Iodometric method for the determination of cations. Pt. 3. Studia Univ B-B S. Chem 7 no.2:117-120 '62.

LITEANU, Candin; CORDOS, Emil; POP, Maria

Rapid methods of analysis. Ft. 6. Studia Univ B-B S. Chem 7 no.2: 121-125 '62.



RUMANIA

ENESCU, L., Lt-Col, Dr, ANGELESCU, I., Lt-Col, Dr, and CORDUN, G., Dr [affiliation not given]

"Considerations on the Renal Functional Modifications Produced Under the Influence of the Reflexogene Amydaline Zone."

Bucharest, Revista Sanitara Militara, Vol 59, No 3, May-Jun 63, pp 481-486.

Abstract: Describes the results of a study of 250 patients suffering from sub-acute or chronic amygdaline infections; points out that these infections were always accompanied by various degrees of renal disturbance, as manifested by lowered capacity to eliminate phenosulphonephthalmine. Renal function was restored to normal in all cases after amygdalectomy. The importance of testing renal function in cases of amygdaline infections is stressed.

Includes 3 tables and 12 references, of which 2 French and 10 Rumanian.

1/1

23

CORDUN, Georgeta, dr.; ENESCU, L., dr.; ANGELESCU, I., dr.

Experimental morphopathological aspects produced by quantitative penicillin action. Med. inter., Bucur 13 no.6:903-906 Je '61.

1. Lucrare efectuata in Laboratorul de anatomie patologica al Spitalului "Dr. C.I.Parhon", Iasi si Laboratorul Spitalului Militar, Iasi.

(PENICILLIN toxicology)
(LIVER pharmacology)

(KIDMEY pharmacology)
(BLOOD VESSELS pharmacology)

L 33713-66 RO	
ACC NR: AP6025155 SCI	JRCE CODE: RU/0012/65/061/004/0583/0586
AUTHOR: Enescy, L. (Doctor; Lieutenant color colonel); Cordun, G. (Doctor) OrG: norm	nel); Angelescu, I. (Doctor; Lieutenant
Ow: ners	\mathcal{B}^{-1}
TITLE: Studies on the toxic effect and morph synthetic hypotensive substance	nopathological changes produced by a
SOURCE: Revista sanitara militara, v. 61, no. TOPIC TAGS: mouse, toxicity, histology, pathe ABLTRACT: Studying the toxic action of 4-sulimidazoline in mice, the authors found the tobody weight when administered intramuscularly orally. No significant histopathological chain which a picture of interstitial nephritis were produced at the injection sites. \(\sumsymbol{JPRS} :	plogy, muscle physiology, toxicology phopamido-3-methylphenoxymethyl- oxid-dose to be 2.15 grams per kilogram of and 8 grams per kilogram when administered anges were observed except for one case was observed. Changes in the muscle fibers
SUB CODE: 06/ SUBM DATE: 270ct64/ORIG REF:	006/ OTH REF: 002
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Card 1/1 ()	
	0504

RUMANIA

ANGELESCU, I., Dr. Lt-Col, ENESCU, L., Dr. Lt-Col, and CORDUN, G., Dr [affiliation not given]

"The Use of the Passive Hemagglutination Reaction for the Study of Antiamygdaline Autoantibodies as a Diagnostic Method for Infections of Amygdalian Foci."

Bucharest, Revista Sanitara Militara, Vol 62, No 2, Mar-Apr 66, pp 329-338.

Abstract: On the basis of a study involving 200 patients, the authors find the passive hemagglutination reaction as a method of studying the antiamygdaline autoantibodies a sensitive and specific diagnostic test. Extract of human tonsils from persons in blood group Ol was used as antigen; positive reactions were obtained in 98 percent of the cases involving amygdalian focus infection, while healthy persons, those suffering from other diseases, or those whose tonsils had been removed in childhood gave negative reactions.

Includes 3 tables and a bibliography with 31 entries, of which 19 Rumanian, 10 French and 2 English-language. -- Manu-

script submitted 3 August 1965.

1/1

- 7 -

CORDUNEANU, Adrian

Theorem of global existence for the differential systems with retardation argument. Studii mat Iasi 12 no.2:249-258 '61.

1. Universitatea din Iasi, Seminarul matematic "A. Myller."

CORDUNEANU, Adrian

Generalized characteristic exponents. Studii mat Iasi 12 no.2: 259-265 '61.

CORDUNEANU, Alice, prof.

Similitude of triangles. Gaz mat B 13 no.1:21-23 Ja: 162.

1. Sc. medie nr. 4, Tasi.

CORDUNEANU, C.

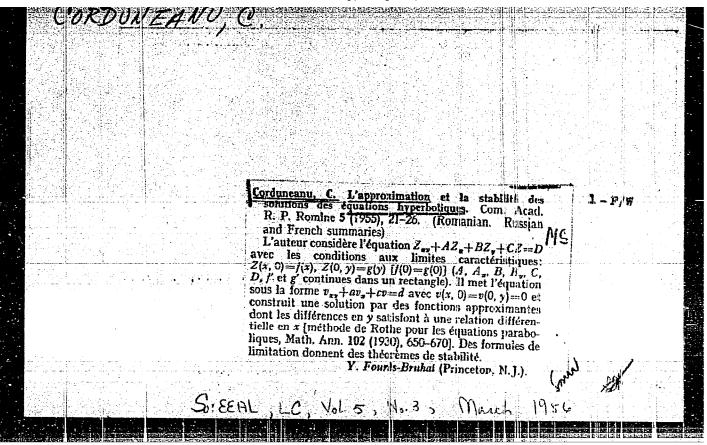
"A theorem of S. Banach", p. 39; "Journal on science issued by the Issi Branch, Rumanian Academy; with French and Russian summaries. Currently". (STUDII SI CERCET'RI STITTIFICE, Vol 5, no. 1/2, Jan./June 1954, Filiala Issi.)

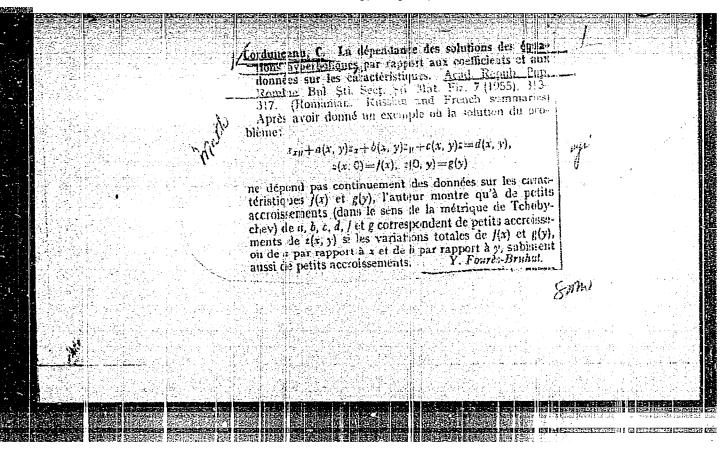
SO: Monthly List of East European Accessions, (NEAL), LC, Vol. 4, No.5, May 1955, Uncl.

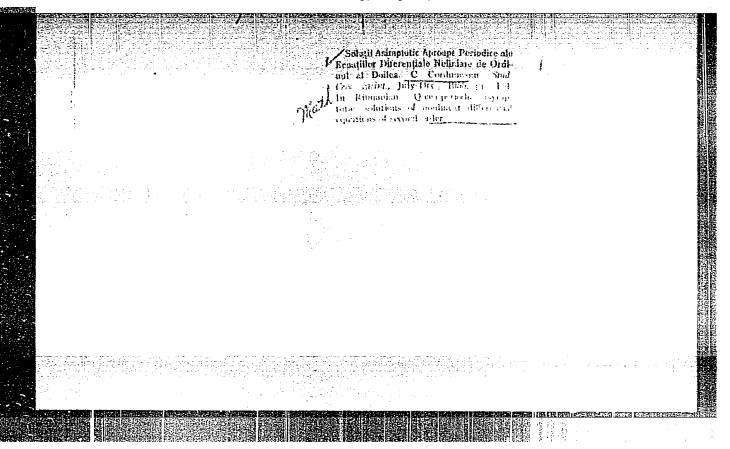
CORDUNEANU, C

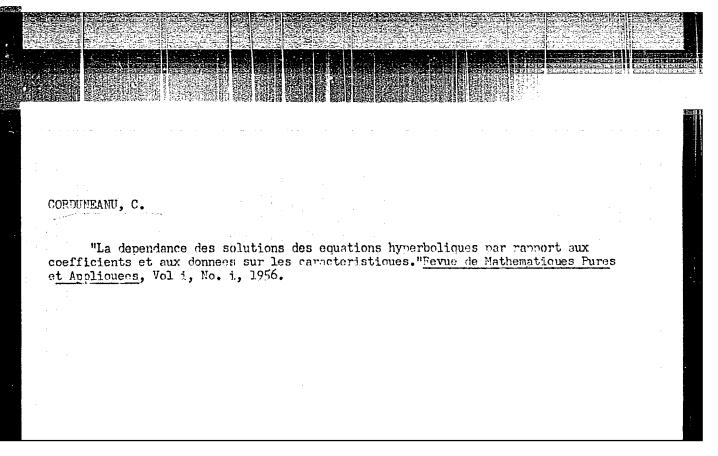
Quasi-periodic solutions of nonlinear differential equations of the second order. p. 793. ACADEMIA REPUBLICH POPULARE ROMANE Rumania. Vol. 5, No. 5, May. 1955

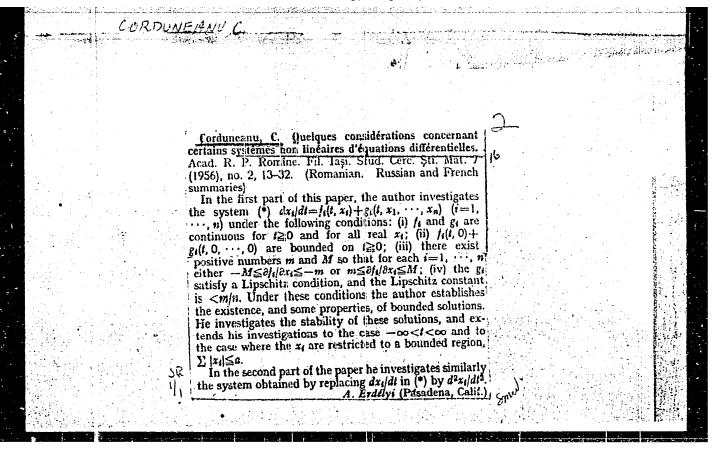
East European Accessions List (EEAL) Library of Congress Vol. 5, No. 11, August 1956









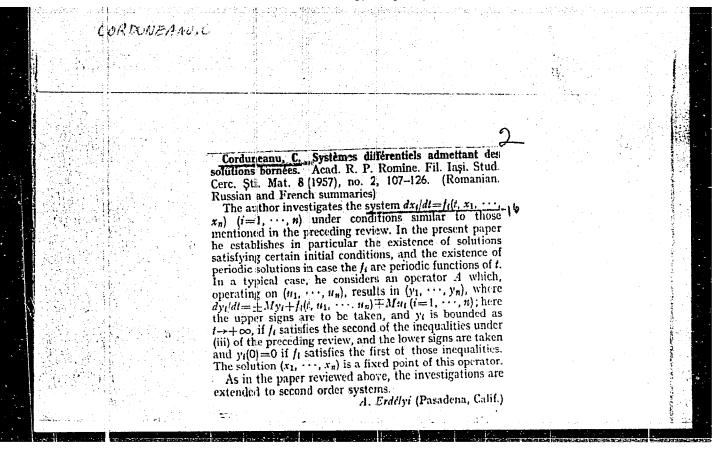


CORDINEANU, C.

On the theory of stability. In French. p. 497.

REVUE DE MATHEMATIQUES PURES ET APPLIQUEES. JOURNAL OF PURE AND APPLIED MATHEMATICS. (Academia Republicii Populare Romine) Bucuresti. Rumania. Vol 2, 1957.

Monthly List of East European Accessions (EEAL LC VOL. 9, no. 1, January 1960. UNCL

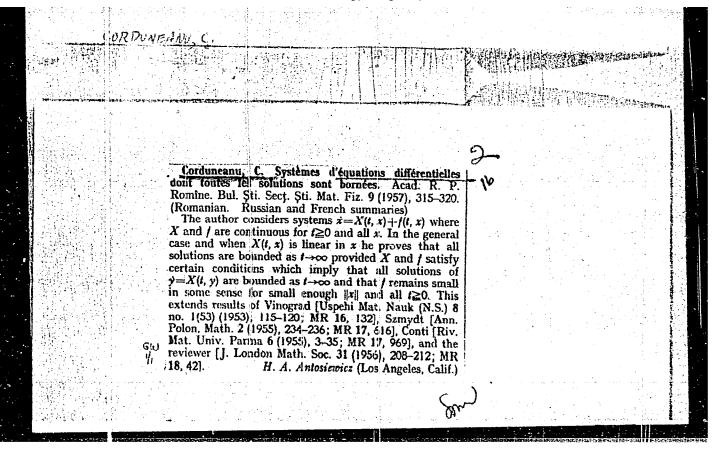


COFDUNEANU, C.

Existence of limited solutions to certain differential equations of the second order. p. 127.

Academia Republicii Populare Romine. Filiala Iasi. STUDII SI CERCETARI STIINTIFICE. MATEMATICA. Iesi, Rumania. Vol. 8, no. 2 1957

Monthly list of East European Accessions (EEAI) LC Vol 8, No. 6, June 1959 Uncl.



CORDUNEANU, C.

Differential equations in the Banach space; applicability of the Wazewski topologic principle. p. 101

Academia Republicii Populare Romine. Filiala Iasi. STUDII SI CERCETARI STIINTIFICE. MATEMATICA. Iasi, Rumania. Vol 9, no. 1 1958

Monthly list of East European Accessions (EEAI) LC Vol 8, No. 6, June 1959 Uncl.

37590 s/044/62/000/004/027/099 C111/C444 163400 Corduneanu, C. AUTH(R: On the asymptotic stability II TITLI: Referativnyy zhurnal, Matematika, no. 4, 1962, 36, 37, abstract 4B163. (Studii și cercetari științ. Acad. RPR PERI(DICAL: Fill. Jaşi, Mat., 1959, 10, no. 2, 209 - 213) For part I see RZhMat, 1960, 12797. The system TEXT (1) $\cdot_{x} = f(t, x)$ and the perturbated system (2) $\cdot_{x} = f(t, x) + R(t, x)$ are defined for t>0, ||x||< a(a>0), satisfying the conditions for the uniqueness of the solution. For system (1) there exists a Lyapunov function V(t, x) which satisfies the conditions A ||x || \$\frac{1}{2} \leq |V(t, x)| \leq B ||x || \frac{1}{2}, + $(\hat{\mathbf{r}} \cdot \text{grad } \mathbf{V}) \leq - \mathbf{C} \|\mathbf{x}\|^{\alpha+m-1}$, $\|\text{grad } \mathbf{V}\| \leq \mathbf{L} \|\mathbf{x}\|^{\alpha-1}$, Cari 1/2

S/044/62/000/004/027/099 C111/C444

On the asymptotic stability II

wher; A, B, C are positive constants, \propto and $m \ge 1$. Besides one supposes that $\|R(t, x)\| \le \omega(t, \|x\|^m)$, where $\omega(t, y)$ is non-negative for $t \ge 0$, $0 \le y < \alpha$, non-decreasing with respect to y, and $\omega(t, 0) \equiv 0$. The author proves that if the trivial solution of the equation $\alpha \frac{dy}{dt} = -C\left(\frac{A}{B}\right)^{\alpha+m-1} y^m + L\alpha(t, y^m)$

is asymptotically stable under these suppositions, then the trivial solution of the perturbated system (2) is asymptotically stable as

[Abstracter's note: Complete translation.]

Card 2/2

69492

S/020/60/131/04/05/073

,3400

Corduneanu, C.

TITLE: On the Existence of Bounded Solutions for Some Non-linear Differential Systems

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol.131, No.4, pp.735-737.

TEXT: The author considers the system

(1) $\frac{dx_i}{dt} = f_i(t, x_1, \dots, x_i) + R_i(t, x_1, \dots, x_n), \qquad 1 \le i \le n,$ where the f_i are continuous on Δ : $t \ge 0$, $||x|| \le h$, $f_i(t, 0, \dots, 0) \ge 0$, the

 $\frac{\partial f_i}{\partial x_j}$ 1 \leq j \leq i \leq n are continuous and bounded in Δ , and the R_i are con-

tinuous in $\overline{\Delta}$ and there they satisfy the Lipschitz condition

(2) $\left|R_{\underline{1}}(t,x_1,\ldots,x_n)-R_{\underline{1}}(t,\overline{x}_1,\ldots,\overline{x}_n)\right| \leq L \|x-\overline{x}\|.$

Furthermore it is assumed that to every i there exists a function $a_i(t)$ continuous on $t \ge 0$, where either

Card 1/3

69492

On the Existence of Bounded Solutions for S/020/60/131/04/05/073 Some lon-lnear Differential Systems

(A)
$$\exp\left\{\int_{0}^{t} a_{i}(\tau) d\tau\right\}$$
 and $\int_{0}^{t} \exp\left\{\int_{0}^{t} a_{i}(\theta) d\theta\right\} d\tau$ are bounded on $t \ge 0$ or

(B)
$$\exp\left\{\int_{0}^{t} a_{i}(\nabla)d\nabla\right\}$$
 is unbounded but $\int_{0}^{t} \exp\left\{\int_{0}^{t} a(\theta)d\theta\right\}$ dT is bounded on $t \ge 0$; here let $\frac{\partial f_{i}}{\partial x_{i}} \le a_{i}(t)$ in the case (A) and $\frac{\partial f_{i}}{\partial x_{i}} \ge a_{i}(t)$ in the case (B). Let i_{A} denote an index i for which $a_{i}(t)$ has the property $a_{i}(t)$

Let i_A denote an index i for which $a_i(t)$ has the properties (A).

It is shown (theorem 1) that under the given assumptions the system (1) has a unique solution in $\overline{\Delta}$ for sufficiently small initial conditions

$$x_{i}(0) = x_{i}^{(0)}, \quad i=i_{A}$$

and for a sufficiently small L. If the indices i are missing then (1) has a unique solution in $\overline{\Lambda}$. Under more general assumptions (e.g. R_i only continuous) one obtains a weaker (only existence) assertion (theorem 2). Given the system Card 2/

69492

On the Existence of Bounded Solutions for Some Non-linear Differential Systems S/020/60/131/04/05/073

(9) $\frac{dx_i}{dt} = f_i(t, x_1, \dots, x_n), \quad 1 \le i \le n,$ where f_i is continuous in $\overline{\Delta}$, $\frac{\partial f_i}{\partial x_i}$ is continuous in $\overline{\Delta}$ and

 $f_i(t,x_1,...,x_{i-1},0,x_{i+1},...,x_n)$ is sufficiently small in $\overline{\Delta}$. Then (9)-(3) has at least one solution situated in $\overline{\Delta}$ which is defined on t>0 (theorem 3).

The author mentions Tikhonov. There are 2 non-Soviet references.

ASSOCIA. ION: Matematicheskiy seminar im. A. Millera pri Yasskom universitete, Yassy, Rumyniya (Mathematical Seminar im.A.Miller, Yassy University, Yassy, Roumania)

PRESENTED: December 3, 1959, by I.G.Petrovskiy, Academician

SUBMITTED: August 6, 1959

Card 3/3

CORD INEANU. C.

On asymptotic stability. II. Rev math pures 5 no.3/4:573-576 .60.

1. Seminaire Mathematique "A.Myller" de l'Université de Jassy. (Asymptotes)

CORE UNEANU, C.

On the structure of Liapounoff functions. Bul Ac Pol mat 10 no.11:559-563 *62.

1. Seminaire Mathematique A. Myller, Universite de Jassy, Jassy, Republique Populaire Roumaine. Presented by T. Wazewski.

CORDU EANU, C., conf. univ. (Issi)

Czechoslovak Conference on Differential Equations and their application. Gaz mat fiz 15 no.1:53 Ja '63.

CORDUNEANU, C., conf. univ. (lasi)

Liapunov theorem of stability on the first approximation.

Gaz mat fiz 15 no.12:681-686 D 163.

L-17106-65 WT(d)/FMA(m)-2 LIP(c)/ASD(a)-5/AFML/AFETR/ESD(dp)

ACCESSION N: AP4045047 R/0021/64/1009/003/0229/0236

AUTHOR: Co iduneanu, C.

TITLE: Part al stability 1/2

SOURCE: Rel us Roumains do mathematiques pures et appliquees, v. 9, no. 3, 1964, 229-236

TOPIC TAGS: differential equation, equation stability, partial stability, linear differential equation, ordi lary differential equation

ABSTRACT: The paper presents generalizations of the classical theorems on stability based on a con parison of a system of differentials with a single scalar differential equation. This nethed is applied to a study of the partial stability of a system of differential equations. More specifically, the paper considers the agatem

ABSTRACT: The paper presents generalizations of the classical theorems on stability based on a con parison of a system of differential such a single scalar differential equation. This nethed is applied to a study of the partial stability of a system of differential equations. More specifically, the paper considers the agatem

ABSTRACT: The paper presents generalizations of the classical theorems on stability based on a con parison of a system of differential equation.

This nethed is applied to a study of the partial stability of a system of differential equation. This nethed is applied to a study of the partial stability of a system of differential equation.

The paper presents generalizations of the classical theorems on stability based on a constability of a system of differential equation.

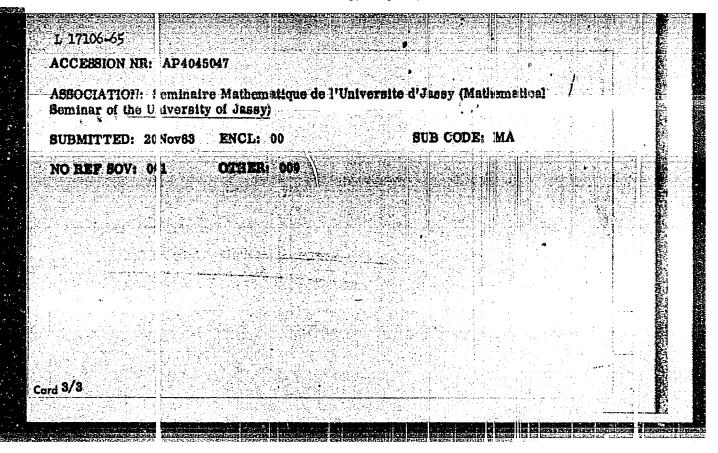
The paper presents generalizations of the classical theorems on stability of a system of differential equation.

The paper presents generalizations of the classical theorems on stability of a system of differential equation.

The paper presents generalizations of the classical theorems on stability of a system of differential equation.

ACCESSION NI: AP	발 일로 조리로를 돌돌아가 돌아를 받는 것 같은 말이 그는 아이 마신다.	
(b) The system (5) a	idmits the solution $x = 0$, $y = 0$, i.e., $f(t, 0, 0) = 0$, $g(t, 0, 0) = 0$, $t > 0$,	(3)
		진기 하는 사람들은 경기를 가고 있다.
(c) For any point (to such that	o, xo, yo) 2 4, there exists exactly one solution of	i the system (5)
Buch Mat	$\rho(i_1) = a_1, y(i_1) = y_1.$	4)
as t >>, thin the are given for v diform	If, under similar conditions x(t) to xe, ye) solution is called asymptotically partially stable. mly partially stable and uniformly, asymptotically, ry and sufficient conditions are proven for a solution ypes of partial stability. Orig. art. has: 21 formula stability.	Similar definitions partially stable n (6) to possess

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00030932



RULANIIA

ATHANASESCU I.; COREANU, G.; MEISS, St.; COTOIU, P.

Surgical Clinic I (Clinica i-a Chirurgicala); Director: Professor Dr I. Danicico - (for all)

Timisoara, Timisoara Medicala, No 1, Jan-Jun 63, pp 47-56

"Observations on Primary Gastric Resections with Gastroduodenal Reconstruction in a Single Layer." (Report presented to the Society of Medical Sciences, Surgery Section, on 30 January 1963.)

4

GAVRILESCI,St., dr., candidat in stiinte medicale; ATHANASESCU,I., dr., cundidat in stiinte medicale; STREIANU, Cdr.; COREANU, Gabriela, dr.; STANCIU,I., dr.

Apric valvulography during prolonged diastole, an experimental method of study of aortic regurgitation. Med. intern. (Bucur.) 15 no.41435-439 Aprica.

1. Laboratorul de explorari functionale al Clinicii I medicala, T misoara (director: prof. H. Aubert) si Serviciul de radiologie al Spitalului clinic orazenecs nr.1, Timisoara.

GAVRILESCU,S., dr.; BACANU, Gh., dr.; COREANU, Gabriela, dr.; ANGHELESCU, Lucia, dr.

Considerations on some bone changes in diabetic gangrene. Med. intern. (Bucur.) 16 no.11:1351-1357 N '64

1. Lucrare efectuata in Clinica I medicala, I.M., Timispara.

CORFARIU O., dr.; CSONTOS, A., dr.

Changes in the catalese index in asthenic neurosis as related to prolonged treatment with glucose. Neurologia (Hucur) 10 no.1: 48-48 Ja-F*65.

1. Lucrare efectuata in Policlinica nr. 2, din Tirgu Mures.

Analysis of the factors which explain the difference in price of a dosestic and foreign rubber product. Produktivnost 3 no.5:331-338 My '61. 1. Saradnik Zavoda za produktivnost rada grada Beograda.

"Vrsac Constituent Assembly of the Model Plane Association" p. 2
"Urging independence of aeroclubs." p. 2
"The 46th General Conference of the International Aeronautic Federation." p. 2
(Aero Svet. Vol. 3, no. 41, June 1953. Beograd.)

CORIC, V.

SO: Monthly List of last European Accessions, Vol. 3, no. 6, Library of Congress, June 1954.
Uncl.

"Intercity model contest in Kosovska Mitrovica." p. 2. (Aero Svet. Vol. 3, no. 48, Sept. 1953 Beograd.)

So: Monthly List of Eas, European Accessions, Vol. 3, no. 6, Library of Congress, June 1954. Uncl.

CORICI, L.

Considerations on the production of synthetic rubber, especially of the butadiene styrenic and butadiene methylstyrenic varieties. p.213

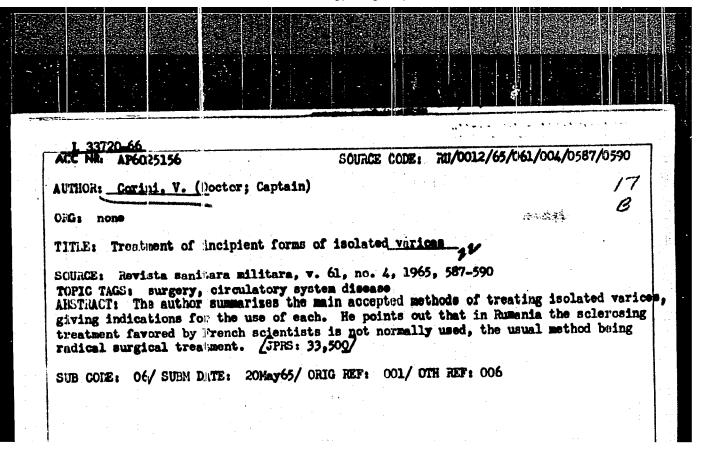
INDUSTRIA USCARA. (Asociatia Stintifica a Inginerilor si Tehnicienilor din Rominia si Departmentul Industriei Usoare din Ministerului Industriei Bunurilor de Consum)
Bucuresti, Rumania
Vol. 6, no.6, June 1959

Monthly List of East European Accessions (EEAI) LC., Vol. 9, no.1, Jan. 1960 Uncl.

CIUCA, M., Academician; SOLOMON, L.; CORNELSON, D.; UNCHUREANI, E.; EUPASCU, Gh.; RADACOVICI, E.; DUPORT, M.; CORIJESCU, V.

Malaria in the Rumanian People's Republic, 1948-1953. Bul. stmint. sect. med. 8 no.1:227-264 Jan-Mar 56.

(M.LARIA, epidemiol. in Rumania)



GORIACLU, Ion

In the third month. Constr Buc 16 no.742:2 28 March 1964.

1. Subredactia voluntar, Turda.

CORLAN, Gr.; BORCAN, C.; ION, M.

Mechanization of forest exploitation works, and important factor in the wooden mass valorization. Probleme econ 17 no.92106-118 S '64.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000309320

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COLLATEANU ELENA

ROMANIA/Kinetics - Combustion. Explosions. Topochemistry.

B-9

Catalysis.

Abs Jour : Referat Zhur - Khimiya, No 6, 1957, 18630

Author : V. Diaconescu, Em. Poppel, Dorel Feldman, Elena

Corlatesnu.

Inst : Jassy Polytechnical Institute.

Hitle : Production of Vanadium Catalysts for Sulfuric Acid

Manufacturing.

Orig Pub : Bul. Inst. politchn. Iasi, 1955, I, No 1-2, 53-66.

Abstract : For the production of vanadium catalysts for the oxida-

tion of SO₂ into SO₃ in the contact production of H₂SO₄, carriers prepared of Romanian raw materials and possessing high physical-mechanical properties are used.

The carriers are saturated with potassiom vanadate prepared by regeneration from spent contact mass of the following composition (in #): SiO₂ - 58.10, Al₂O₃ - 7.16,

 $Na_20 - 10.01$,

Card 1/2

- 266 -

ROMANIA/Kinetics - Combustion. Explosions. Topochemistry .
Catalysis

B-9

Abs Jour

: Referat Zhur - Khimiya, No 6, 1957, 18630

 50_h^{2-} - 15.62, K_2^{0} - 3.19, V_2^{0} - 5.92. Under laboratory

conditions at 445 to 460°, the transformation degree of 50_2 attains 98% at 50_2 concentration of 7%, which is normal for sulfur dioxide produced by calcination of pyrite in automatic kilns. The contact time \mathcal{T} is close to \mathcal{T} for various vanadium catalysts used in the sulfuric acid manufacturing.

Card 2/2

- 267 -

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00030932

I

CORLATEANUE, E

RUMANIA / Chemistry of High Molecular Substances.

Abs Jour : Ref. Zhur - Khimiya, No 3, 1958, 10193

: Chicos, Mihail, Corlateanu Author

Inst : Not given

: Ethylene Polymerization with Metallic Oxide Catalysts. Title

Orig Pub : Rev. chim., 1957, 8, No 6, 406-409

Abstract: Relatively low molecular weight polymers were isolated

in the polymerization of Phillaps polyethylene with a catalyst

obtained by applying CrO₃ on SiO₂-Al₂O₃. Polymers with M.W. from 30,000-70,000 were obtained by use of multicomponent catalysts which contain other matallic oxides besides CrO3.

Card 1/1

JIANU, Ianou, prof.; NETESCU, I.I., prof.; SCHIAU, S.; PAPAZIAN, R.; STOICA; GIOSAN, E.; CORLATEANU, G.; BROSTEANU, R.; TEORDORIHI, Sanda

The functional value of atrium diverticula as "ultimum moriens" of the heart. Some aspects of the resuscitation problem with description of an apparatus. Rumanian M Rev. no.1:175-179 Ja-Mr '61.

(RESUSCITATION equipment and supplies)

(HEART SURGERY complications)

RUMANIA / Chemical Mechnology. Chemical Products and H-29 Their Application. Plastics.

Abs Jour: Ref Zhur-Khimiya, No 1,,1959, 2973.

Author : Corlatean 1, P.
Inst : Not given.
Title : Polyethylene.

Orig Pub: Tehn. noua, 1958, 5, No 151, 5.

Abstract: A brief review on methods for preparing polyethylene of a high, medium and low pressure, the nature of the polyethylenes obtained and

their application. - L. Pesin.

Card 1/1

RUMANIA / High Molecular Chemistry.

I

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 14113.

Author: Mihail, R.; Bittman, S.; Corlateanu, P.

Inst : Not given.

Title : Polymerization of Ethylene by Means of Aluminum-

alkyls. Characteristic Factors.

Orig Pub: Studii si cercetari chim., 1958, 6, No 1, 37-50.

Abstract: Methods for the regulation of the gram-molecular

weight of rolyethylene obtained by means of systems of TiCl₄-aluminumalkyls (AA) were tested. [AA equals Al(C₂H₅)₃; Al(C₂H₅)₂Cl; 1/2AlC₂H₅Cl₂.] It was found that the internal viscosity of the poly-

mer decreases with the increase of the relative quantity of TiCl₄ (in the area of surplus of AA), and with an increase in the temperature of polymer-

Card 1/2

RUMANIA / High Mclecular Chemistry.

Ι

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 14113.

Abstract: ization (in the 40-70° interval). The internal viscosity of polyethylene increases with the increase in concentration of AA (in the interval from 0.2-0.5% A1(C₂H₅)₂Cl in the solvent), and with the increase in content of the alkyl groups in AA. An increase in viscosity also indicated an increase of conversion. -- A. Arest-Yakubovich.

- END -

Card 2/2

147

15(8)

RUM/3-59-10-11/16

AUTHORS:

Mihail, R.; Corliteanu, P.; Chicos, I. and

Ionescu, Al.Gh.

TITLE:

The Polymerization of Ethylene With Metallic

Oxides Without a Solvent

PERIODICAL: Revista de Chimie, 1959, Vol 10, Nr 10, pp 593-596

ABSTRACT:

Experiments on the polymerization of ethylene were conducted at ICECHIM at a pressure of 35 atmospheres and a temperature of 100-150°C, using as catalyst a chrome oxide supported by silicon aluminum. Figure 5 shows the schematic flow chart for polymerization of ethylene when a solvent is used. When a solvent is not used, the following installations are not necessary: A storage tank for storing the solvent; a pump for introducing the solvent in the reactor; and an installation for the recuperation of the solvent containing an evaporator, a condensation system, a cooling device, a storage tank, and a tower and pump for

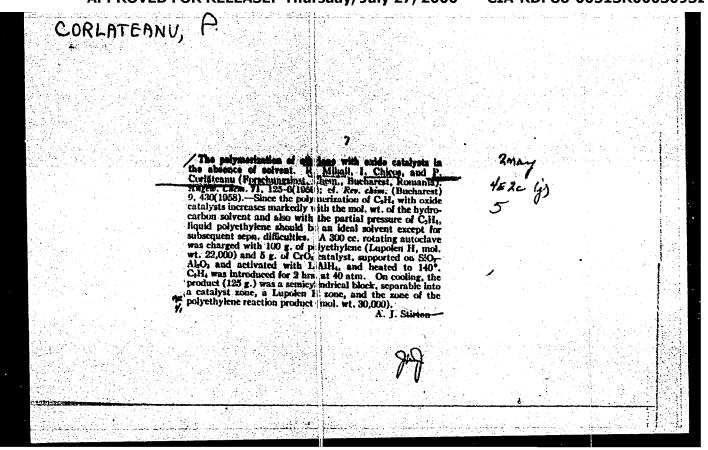
Card 1/2

RUM/3-59-10-11/16

The Polymerization of Ethylene With Metallic Oxides Without a Solvent

the solvent. The idea of replacing the solvent by oxide catalysts was the result of systematic experiments. The procedure in which polymerization of ethylene uses oxide catalysts instead of a solvent has advantages based on a new reaction mechanism. The elimination of some raw materials and a simplified technological scheme are the main advantages of the new procedure. This procedure also makes it possible to obtain new types of polymers in the future. There are 2 graphs, 2 diagrams and 1 flow chart.

Card 2/2



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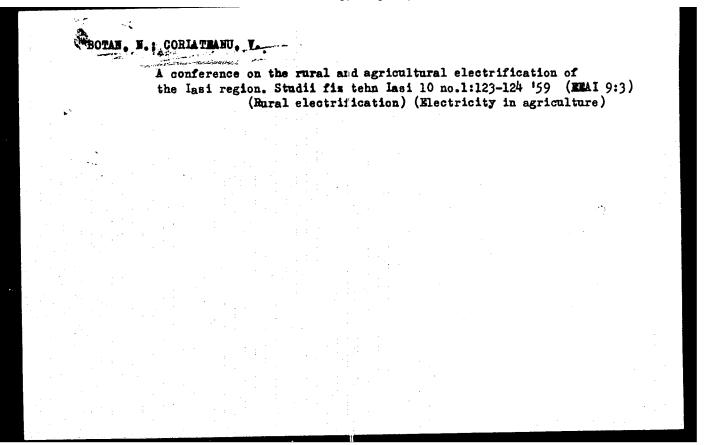
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SOURCE: Bleptrotehnica, no. 4,	1965, 128-139		
TOPIC TAGS: generator, electric	o rotating equipment	par , electric puwer en	ineering.
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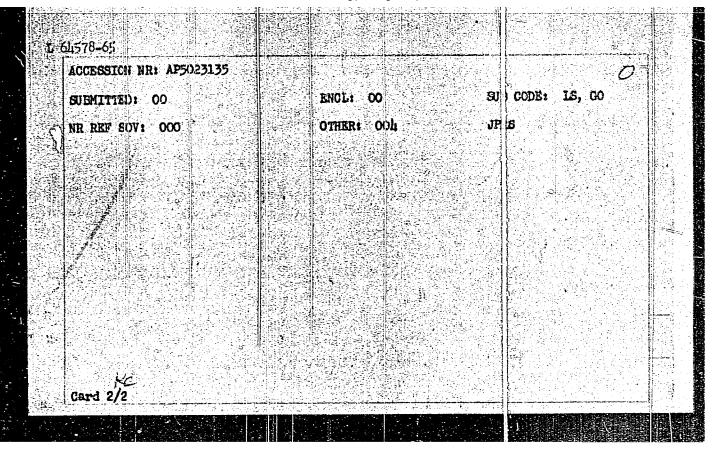
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CORNA, O.

CZECHOS LOVAKIA

Engr

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